



# MATERIAL SAFETY DATA SHEET

KEM CANADA MFG.  
4 BLAIR DRIVE  
BRAMPTON, ONTARIO  
L6T 2H5  
TEL# (905) 456-9444

EMERGENCY # CANUTEC (613) 996-6666  
**"USE IN CASE OF CHEMICAL EMERGENCY ONLY"**

W.H.M.I.S. CLASSIFICATION D2B

MATERIAL REFERENCE NO: 101400

## SECTION I - MATERIAL IDENTIFICATION AND USE

|   |                                  |
|---|----------------------------------|
| MATERIAL NAME/I.D.: AERO 7070           |                                  |
| CHEMICAL NAME: NOT APPLICABLE           | CHEMICAL FAMILY: ALKALINE BLEND  |
| CHEMICAL FORMULA: MIXTURE               | MOLECULAR WEIGHT: NOT APPLICABLE |
| SYNONYMS: NONE                          |                                  |
| MATERIAL USE: EXTERIOR AIRCRAFT CLEANER |                                  |

## SECTION II - HAZARDOUS INGREDIENTS OF MATERIAL

| HAZARDOUS<br>  INGREDIENTS              | APPROX.<br>  % CONCENT. | TLV<br>  PPM           | C.A.S.<br>  NUMBERS | LD 50<br>  ORAL, RAT |
|---|-------------------------|------------------------|---------------------|----------------------|
| SODIUM TRIPOLY-<br>  PHOSPHATE          | 1.0-5.0                 | NONE                   | 7758-29-4           | 3100 MG/KG           |
| SODIUM DODECYL-<br>  BENZENE SULPHONATE | 5.0-10.0                | NO DATA<br>  AVAILABLE | 1322-98-1           | 1260 MG/KG           |
| 2-BUTOXYETHANOL                         | 1.0-5.0                 | 25                     | 111-76-2            | 470 MG/KG            |
| SODIUM SILICATE                         | 1.0-5.0                 | NO DATA<br>  AVAILABLE | 1344-09-8           | 1960 MG/KG           |
| 2-ETHYLHEXYL SODIUM<br>  SULPHATE       | 1.0-5.0                 |                        | 126-92-1            | 11000 MG/KG          |

## SECTION III - PHYSICAL DATA FOR MATERIAL

|   |                    |                         |  |
|---|--------------------|-------------------------|--|
| PHYSICAL STATE: LIQUID  |                    |                         |  |
| ODOUR AND APPEARANCE: CLEAR, LIGHT BLUE LIQUID; SOLVENT ODOUR |                    |                         |  |
| ODOUR THRESHOLD (PPM)   | SPECIFIC GRAVITY   | VAPOUR PRESSURE (MM)    |  |
| NOT AVAILABLE   | 1.065              | NOT AVAILABLE           |  |
| VAPOUR DENSITY (AIR=1)  | EVAPORATION RATE   | SOLUBILITY IN WATER     |  |
| > 1   | (WATER = 1) >1     | (20øC) COMPLETE         |  |
| BOILING POINT (C)   | FREEZING POINT (C) | % VOLATILE (BY WEIGHT)  |  |
| >100  | NOT AVAILABLE      | 85                      |  |
| pH (10% SOLUTION)   | DENSITY (G/ML)     | COEF.OF WATER/OIL DISTR |  |
| 11.0-11.5   | NOT APPLICABLE     | NOT AVAILABLE           |  |



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## SECTION IV - FIRE AND EXPLOSION HAZARD OF MATERIAL

|   |  |  |  |
|---|--|--|--|
| FLAMMABILITY: NON-FLAMMABLE   |  |  |  |
| IF YES, UNDER WHICH CONDITIONS:                                       |  |  |  |
|   |  |  |  |
| MEANS OF EXTINCTION: WATER FOG, CARBON DIOXIDE                        |  |  |  |
|   |  |  |  |
| SPECIAL PROCEDURES: WEAR FULL PROTECTIVE EQUIPMENT, INCLUDING SELF-   |  |  |  |
| CONTAINED BREATHING APPARATUS.  |  |  |  |
|   |  |  |  |
| FLASH POINT (C) AND METHOD: NONE (TCC)                                |  |  |  |
|   |  |  |  |
| HAZARDOUS COMBUSTION PRODUCTS: CARBON MONOXIDE, CARBON DIOXIDE,       |  |  |  |
| OXIDES OF SULPHUR, HYDROGEN, ALDEHYDES, KETONES.                      |  |  |  |
|   |  |  |  |
| UPPER EXPLOSION LIMIT   LOWER EXPLOSION LIMIT   AUTOIGNITION TEMP (C) |  |  |  |
| NOT AVAILABLE   NOT AVAILABLE   NOT AVAILABLE                         |  |  |  |
|   |  |  |  |
| EXPLOSION DATA SENSITIVITY   RATE OF BURNING   EXPLOSIVE POWER        |  |  |  |
| TO CHEMICAL IMPACT  |  |  |  |
| NOT AVAILABLE   NOT AVAILABLE   NOT AVAILABLE                         |  |  |  |
|   |  |  |  |
| SENSITIVITY TO STATIC DISCHARGE: NOT AVAILABLE                        |  |  |  |
|   |  |  |  |

## SECTION V - REACTIVITY DATA

|   |  |  |  |
|---|--|--|--|
| CHEMICAL STABILITY: STABLE  |  |  |  |
| IF NO, UNDER WHICH CONDITIONS:                                      |  |  |  |
|   |  |  |  |
|   |  |  |  |
| INCOMPATIBILITY TO OTHER SUBSTANCES: YES                            |  |  |  |
| IF SO, WHICH ONES: STRONG ACIDS, OXIDIZING AGENTS, REDUCING AGENTS, |  |  |  |
| ZINC, MAGNESIUM, ALUMINUM, GALVANIZED METALS.                       |  |  |  |
|   |  |  |  |
| REACTIVITY AND UNDER WHAT CONDITIONS: NOT ESTABLISHED               |  |  |  |
|   |  |  |  |
|   |  |  |  |
| HAZARDOUS DECOMPOSITION PRODUCTS: THERMAL DECOMPOSITION CAN YIELD   |  |  |  |
| CARBON DIOXIDE, CARBON MONOXIDE, OXIDES OF SULPHUR, HYDROGEN,       |  |  |  |
| ALDEHYDES, KETONES.   |  |  |  |
|   |  |  |  |

## SECTION VI - HEALTH HAZARD DATA

|                   |                      |                  |  |
|-------------------|----------------------|------------------|--|
| ROUTE OF ENTRY:   |                      |                  |  |
| -----             |                      |                  |  |
| SKIN CONTACT: YES | SKIN ABSORPTION: YES | EYE CONTACT: YES |  |
| INHALATION: YES   | INGESTION: YES       |                  |  |



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| EFFECTS OF ACUTE EXPOSURE TO MATERIAL: |  
| EYES-CONCENTRATE MAY CAUSE IRRITATION, STINGING, TEARING. |  
| SKIN-CONCENTRATE MAY CAUSE IRRITATION, ITCHING OR TINGLING, |  
| INFLAMMATION. |  
| INHALATION-HIGH CONCENTRATIONS MAY CAUSE HEADACHES, DIZZINESS, |  
| NAUSEA AND VOMITING. |  
| INGESTION-MAY CAUSE HEADACHE, NAUSEA, VOMITING, GASTRO-INTESTINAL |  
| IRRITATION. |  
| |  
| |

| EFFECTS OF CHRONIC EXPOSURE TO MATERIAL: |  
| EYES-PROLONGED OR REPEATED CONTACT MAY CAUSE MODERATE TO SEVERE |  
| IRRITATION, POSSIBLE CORNEAL INJURY. |  
| BUTYL CELLOSOLVE IS A HEMOLITIC AGENT CHARACTERIZED BY A REDUCTION |  
| OF RED BLOOD CELLS AND BLOOD IN THE URINE. |  
| |  
| |

| LD 50 OF MATL. | LC 50 OF MATL. | EXPOSURE LIMIT(S) | IRRITANCY OF MATL |  
| NOT AVAILABLE | NOT AVAILABLE | NOT AVAILABLE | LOW |

| SENSITIZATION OF MATERIAL | SYNERGISTIC MATERIALS |  
| NOT AVAILABLE | NOT AVAILABLE |

| CARCINOGENICITY, REPRODUCTIVE EFFECTS, TERATOGENICITY, MUTAGENICITY: |  
| NONE KNOWN |  
| |  
| |

## SECTION VII - PREVENTIVE MEASURES

| PERSONAL PROTECTIVE EQUIPMENT: |

| GLOVES: PVA WHEN HANDLING CONCENTRATE |  
| RESPIRATORY: NOT NORMALLY REQUIRED. NIOSH/MSHA APPROVED VAPOUR |  
| CANISTER IF MISTING OCCURS. |  
| EYE: CHEMICAL GOGGLES OR FACE SHIELD IF SPLASHING EXPECTED. |  
| FOOTWEAR: NO SPECIAL REQUIREMENTS |  
| CLOTHING: NO SPECIAL REQUIREMENTS |  
| OTHER: EYE WASH AND SAFETY SHOWER |  
| ENGINEERING CONTROLS (EG VENTILATION, ENCLOSED PROCESS): MECHANICAL |  
| VENTILATION IN CONFINED AREAS OR IF TLV IS EXCEEDED. |

| LEAK AND SPILL PROCEDURE: CONTAIN SPILL. WEAR RECOMMENDED PROTECTIVE |  
| EQUIPMENT. TRANSFER INTO SUITABLE CONTAINER FOR RECLAIM OR DISPOSAL. |  
| ABSORB REMAINING MATERIAL ONTO INERT ABSORBANT AND SCOOP INTO |  
| DISPOSAL CONTAINER. FLUSH RESIDUAL WITH VOLUMES OF WATER. |

| WASTE DISPOSAL: DISPOSE IN ACCORDANCE WITH LOCAL, PROVINCIAL AND |  
| FEDERAL REGULATIONS. |



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## SECTION VIII - FIRST AID MEASURES

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| PROCEDURES: |  
| EYES-FLUSH WITH RUNNING WATER FOR 15 MINUTES WHILE HOLDING EYELIDS |  
| OPEN. IF IRRITATION PERSISTS SEEK MEDICAL ASSISTANCE. |  
| SKIN-REMOVE CONTAMINATED CLOTHING. FLUSH AFFECTED AREA WITH WATER |  
| FOR AT LEAST 15 MINUTES. GET MEDICAL ASSISTANCE IF IRRITATION |  
| PERSISTS. LAUNDER CLOTHING BEFORE REUSE. |  
| INHALATION-MOVE VICTIM TO FRESH AIR. IF BREATHING IS DIFFICULT, |  
| GIVE OXYGEN. IF NOT BREATHING, ADMINISTER ARTIFICIAL RESPIRATION |  
| THEN GIVE OXYGEN. GET MEDICAL ATTENTION. |  
| INGESTION-IF SWALLOWED, DO NOT INDUCE VOMITING. GUARD AGAINST |  
| ASPIRATION INTO LUNGS. GET IMMEDIATE MEDICAL ATTENTION. |  
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| SOURCES USED: RAW MATERIAL SUPPLIER'S MATERIAL SAFETY DATA SHEETS |  
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| ADDITIONAL INFORMATION: NONE |  
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## SECTION IX - TDG SHIPPING INFORMATION

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| SHIPPING NAME | CLASS | UN NO. | PACKING GROUP |  
| NOT REGULATED | | | |  
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| HANDLING PROCEDURES AND EQUIPMENT: AVOID CONTACT WITH EYES AND SKIN. |  
| AVOID BREATHING OF VAPOUR. WASH THOROUGHLY AFTER HANDLING. |  
-----  
| STORAGE REQUIREMENTS: STORE IN A COOL, DRY AREA AWAY FROM |  
| INCOMPATIBLE MATERIALS. KEEP CONTAINER CLOSED WHEN NOT IN USE. KEEP |  
| FROM FREEZING. |  
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| SPECIAL SHIPPING INFORMATION: HEATED |  
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## SECTION X - HMIS HAZARD RATING INFORMATION

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| FLAMMABILITY | REACTIVITY | HEALTH |  
| 0 | 0 | 2 |  
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## SECTION XI - PREPARATION DATE OF MSDS

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| PREPARED BY: TECHNICAL DEPARTMENT TELEPHONE # (905) 456-9444 |  
| REVIEWED: OCTOBER 23, 2009 |  
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